

## ABSTRACT OF THE DISCLOSURE

To determine the period length of a first signal, the length is measured by counting the periods of a second signal with a shorter period length. To measure the fluctuations of the period length of the first signal whilst also taking into account the fluctuations of the period length of the second signal, the measurement is carried out for two different values of the period length of the second signal. Both the fluctuations of the period length of the first signal and the accumulated fluctuations of the period length of the second signal are calculated independently of one another from the two values. The method enables the period length fluctuations of a first signal that originates from a phase-locked loop to be detected.